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Fig.1

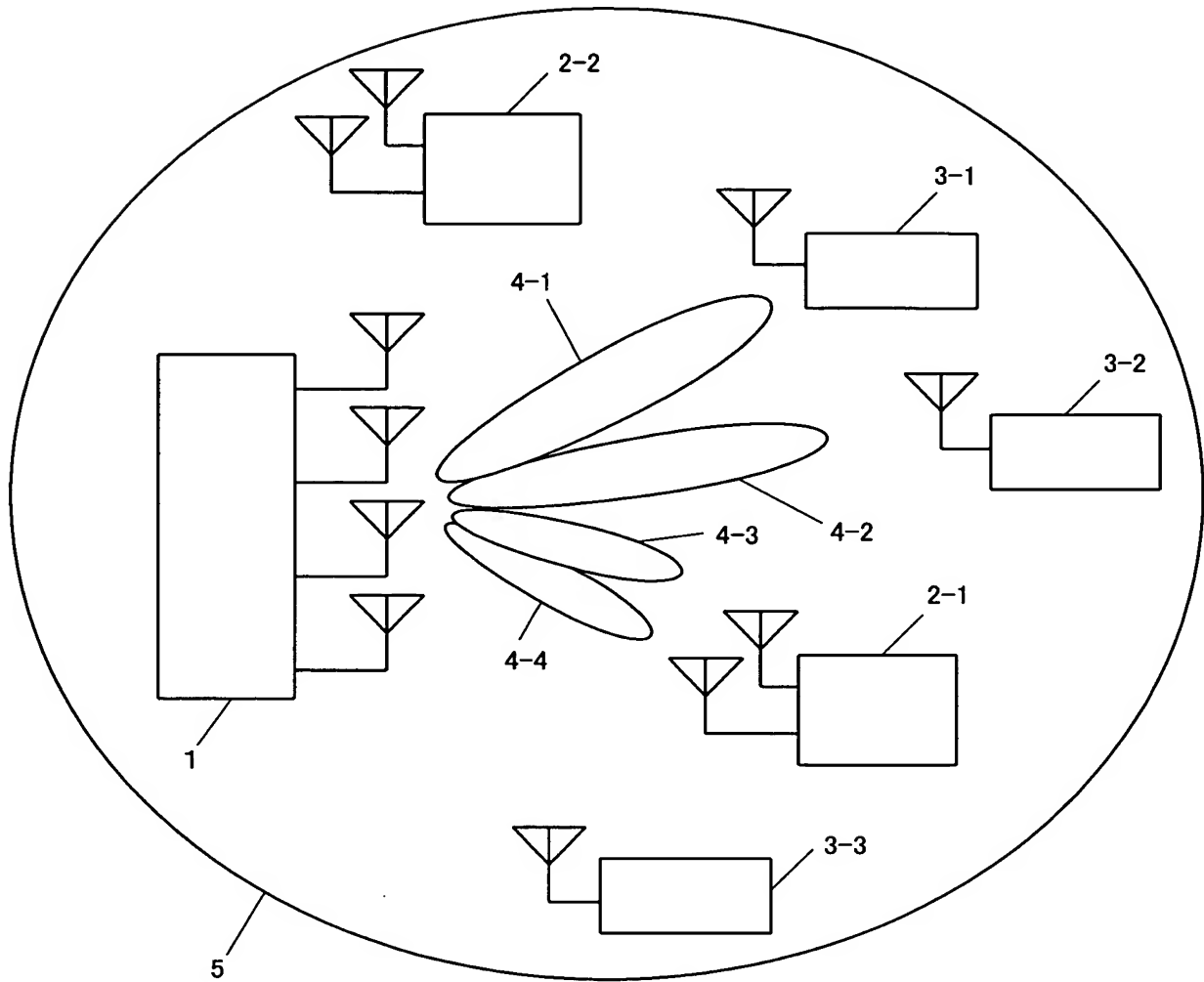


Fig.2

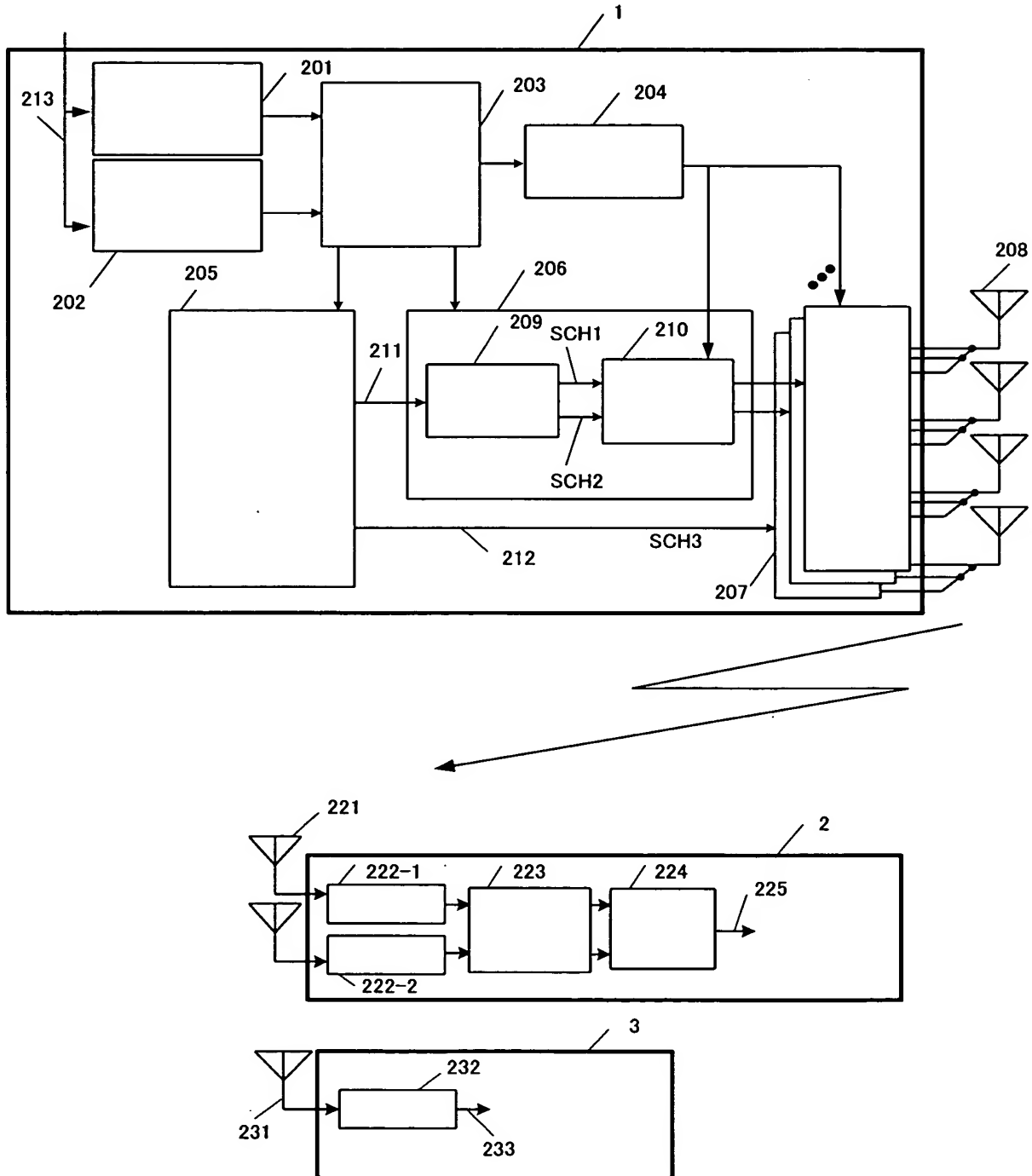


Fig.3A

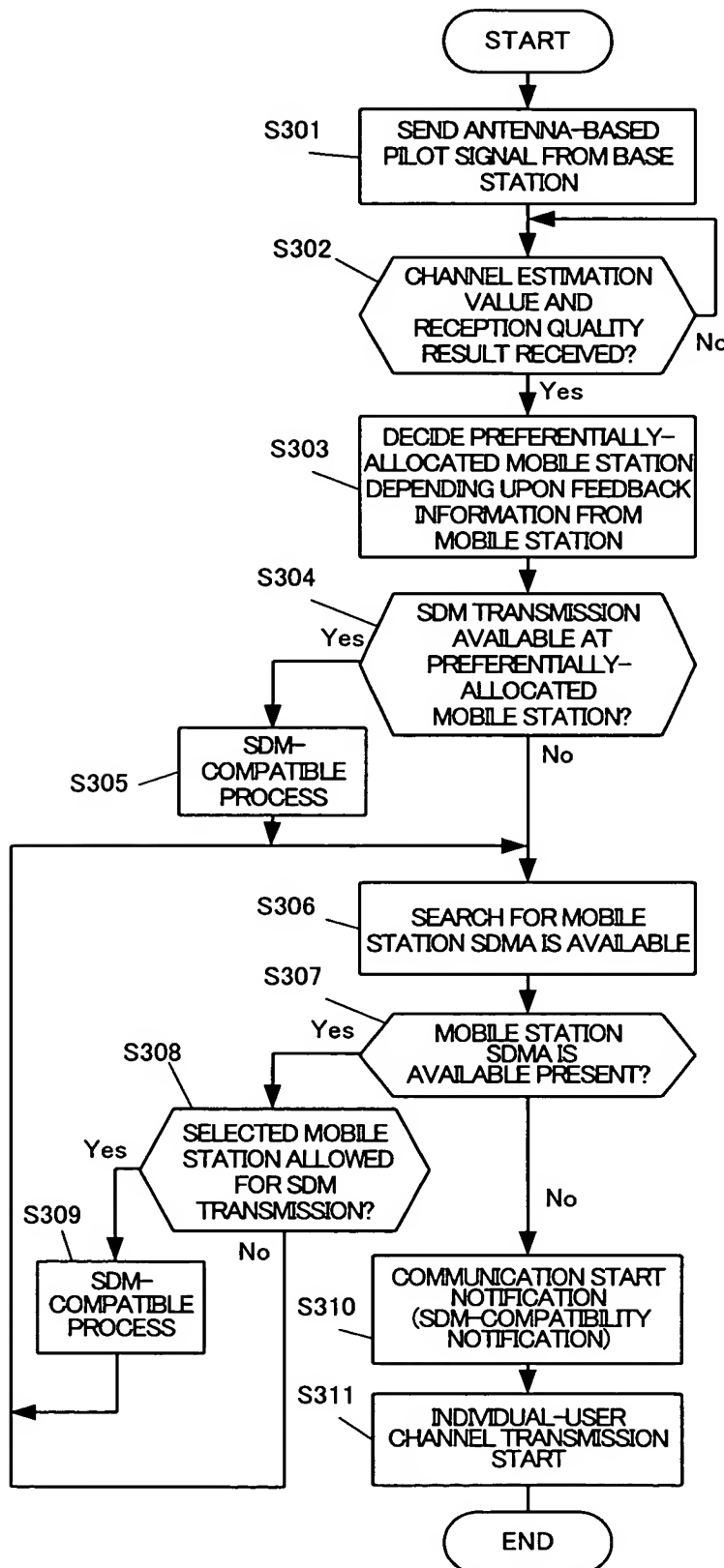


Fig.3B

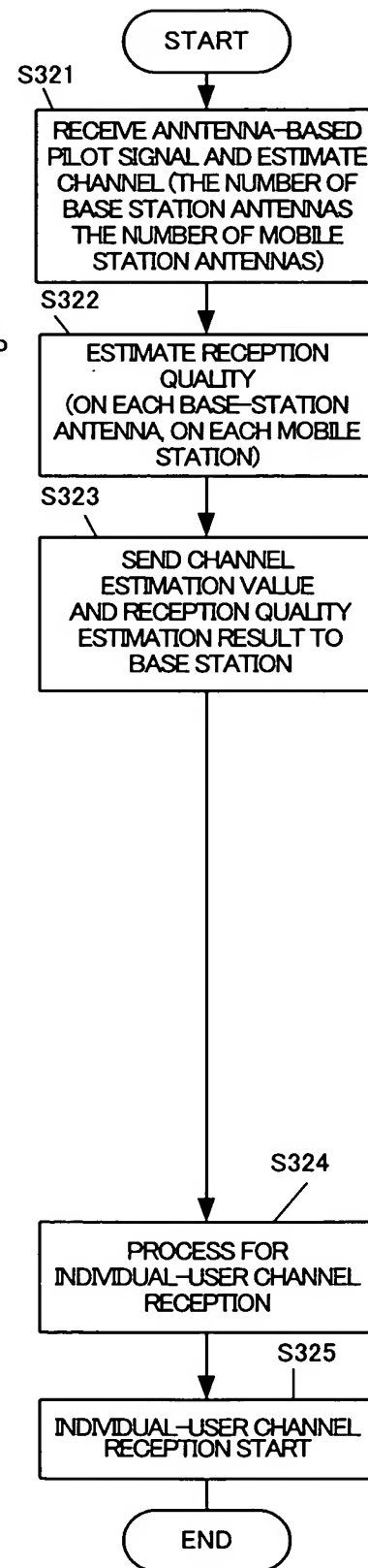


Fig.4A

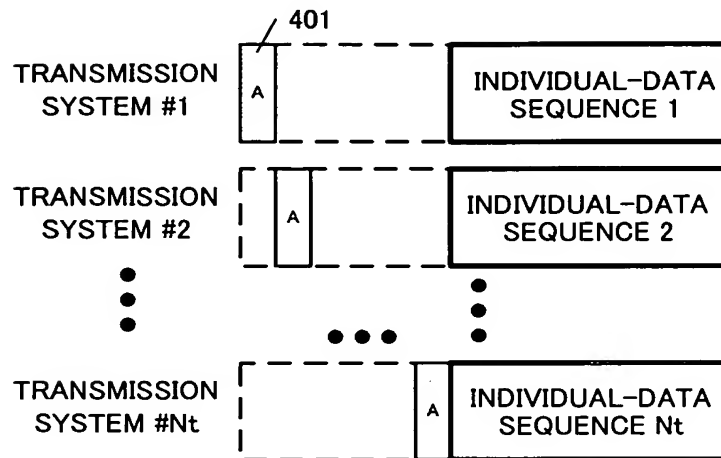


Fig.4B

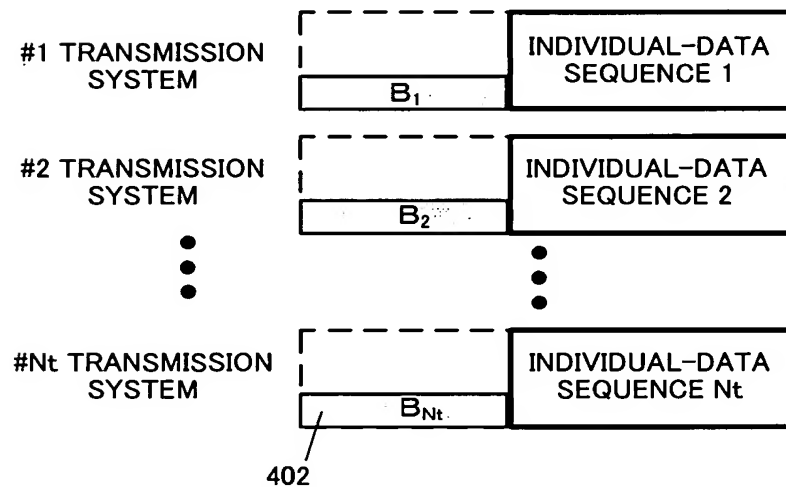


Fig.4C

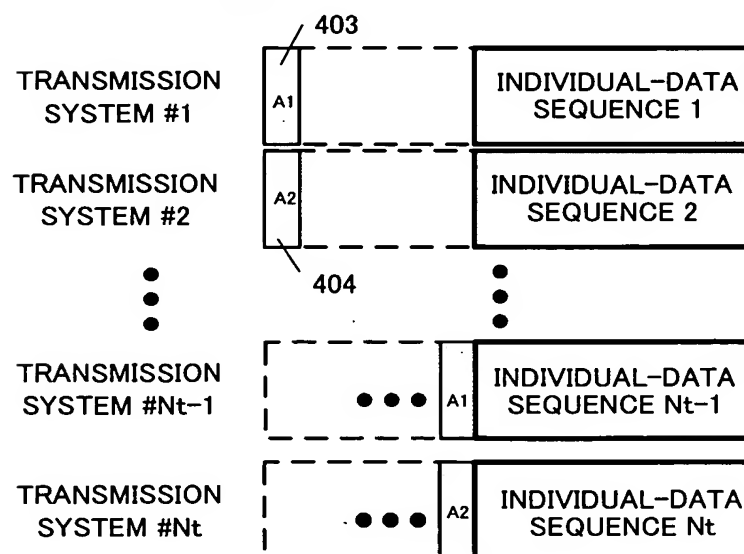


Fig.5A

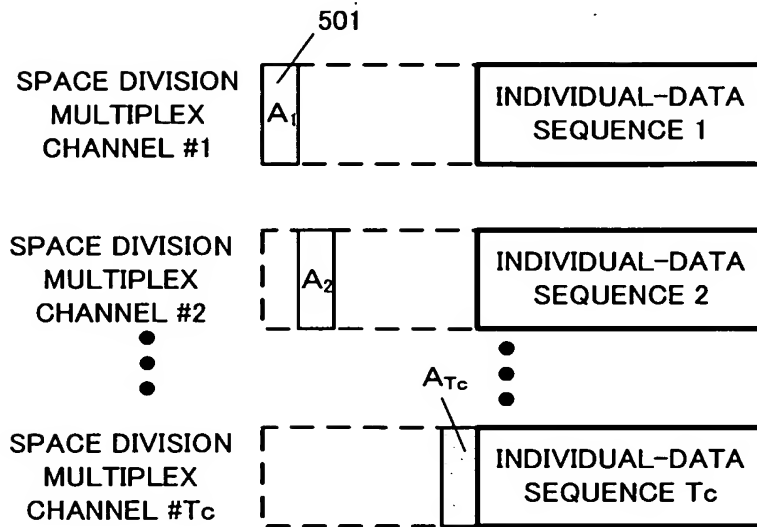


Fig.5B

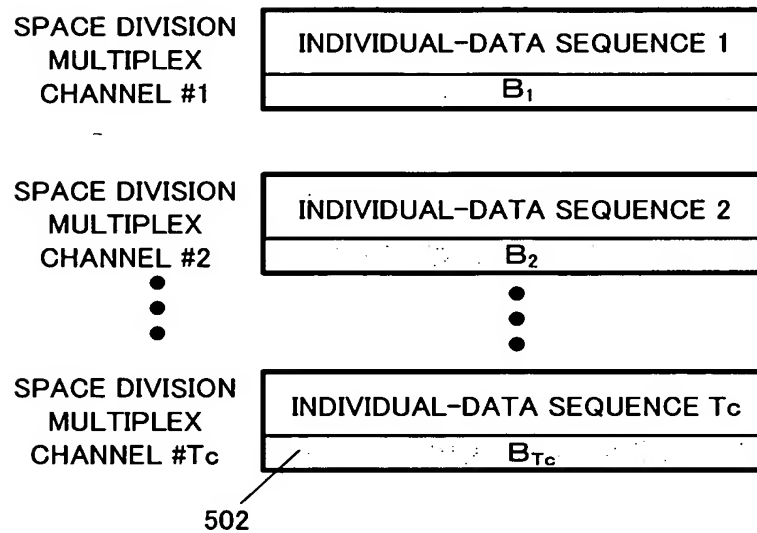


Fig.6

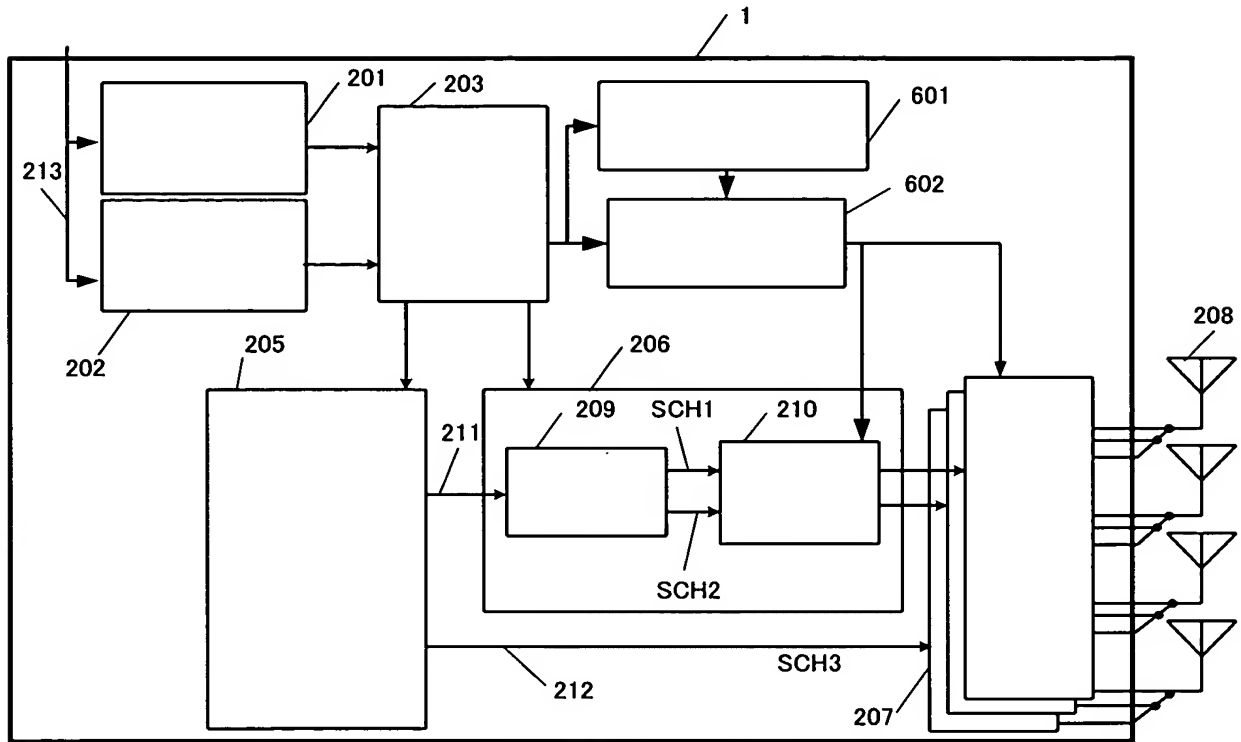
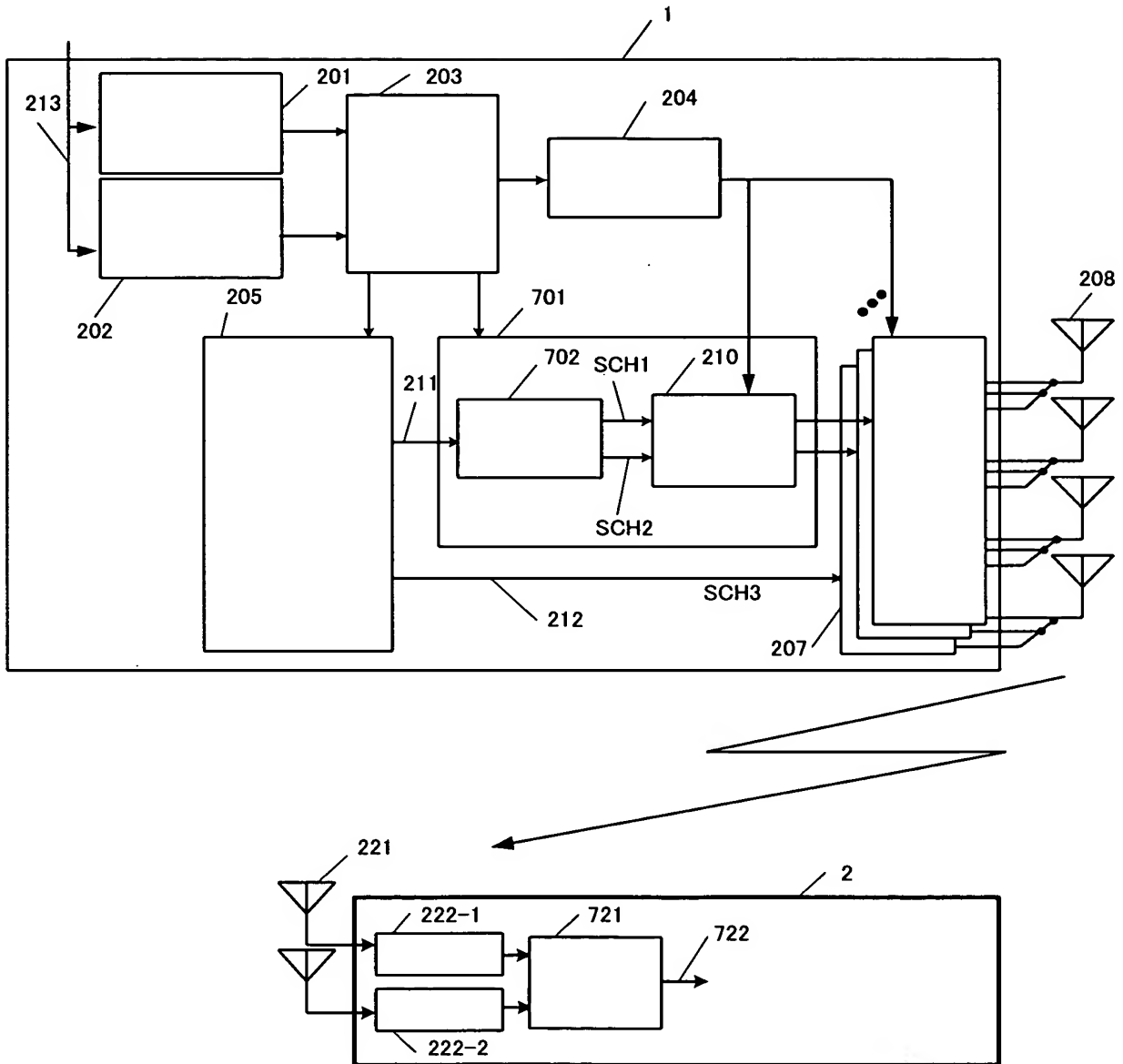
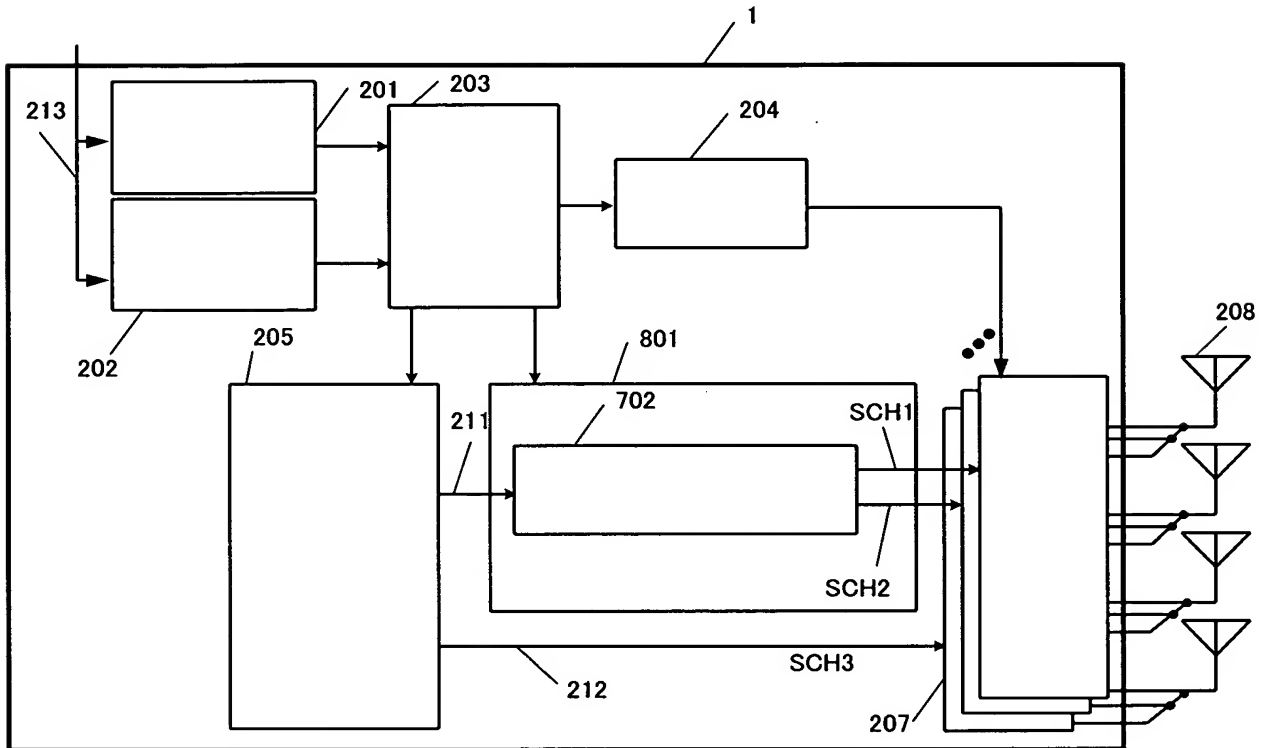


Fig.7



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Fig.8





List of References in the drawing

- 1 BASE STATION
- 2 SDM-COMPATIBLE MOBILE STATION
- 3 SDM-UNCOMPATIBLE MOBILE STATION
- 4 TRANSMISSION BEAM
- 5 COMMUNICATION AREA
- 201 SPACE-DIVISION-MULTIPLEX TRANSMISSION EVALUATION  
CRITERION CALCULATING MEANS
- 202 SPACE-DIVISION-MULTIPLE-ACCESS EVALUATION CRITERION  
CALCULATING MEANS
- 203 DECIDING MEANS
- 204 WEIGHT GENERATING MEANS
- 205 MULTIPLE ACCESS CONTROL MEANS
- 206 SPACE-DIVISION-MULTIPLEX TRANSMISSION CONTROL MEANS
- 207 BEAM FORMING SECTION
- 208 BASE STATION ANTENNA
- 209 SERIES-PARALLEL CONVERTING MEANS
- 210 PARTIAL-SPACE ORTHOGONIZING MEANS
- 211, 212 TRANSMISSION DATA SEQUENCE
- 213 CHANNEL ESTIMATION VALUE AND RECEPTION QUALITY ON EACH MOBILE  
STATION
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- 222, 232 RECEIVER SECTION
- 223, 721 SPACE DIVISION DEMULTIPLEX MEANS
- 224 DATA MIXING MEANS
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- 602 SDM-COMPATIBLE-MOBILE-STATION WEIGHT GENERATING MEANS

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701, 801 SPACE-DIVISION-MULTIPLEX TRANSMISSION CONTROL MEANS

702 SPACE- TIME CODING MEANS